

NZEB VENTILATION



NEARLY ZERO ENERGY BUILD



wwetb

Bord Oideachais agus Oiliúna
Phort Láirge agus Loch Garman
Waterford and Wexford
Education and Training Board

Course Content

This course aims to provide participants with the principles and practices required to effectively design ventilation flowrates, install ventilation systems and commission ventilation systems, in accordance with Technical Guidance Document Part F 2019. Participants who successfully complete the assessment of this course can use this as proof of competency in ventilation systems', installation, balancing and commissioning, as required by TGD Part F 2019. As of the 1st of November 2019 (with consideration of Transitional Arrangements) ventilation design, installation and commissioning should be completed by competent people.

Module 1:	Introduction
Module 2:	NZEB Principles – Part L and Part F <i>Introduction to Technical Guidance Document Part L and Technical Guidance Document Part F.</i>
Module 3:	Air Permeability <i>Understanding of air permeability requirements and the impact airtightness has on building performance.</i>
Module 4:	Ventilation Strategies <i>Understanding of natural ventilation strategies and mechanical ventilation strategies in accordance with TGD Part F.</i>
Module 5:	Ventilation in the Dwelling Energy Assessment Procedure (DEAP) <i>Basic understanding of ventilation in the DEAP software, and how the building's performance is impacted as a result.</i>
Module 6:	Flow Rate Design Activities <i>Application of flow rate calculations to dwellings with natural ventilation, centralised continuous mechanical extract ventilation and centralised continuous mechanical ventilation with heat recovery.</i>
Module 7:	Installation and Commissioning of Ventilation Systems for Dwellings - Achieving Compliance with Part F 2019 <i>Introduction to the key points covered in the Installation and Commissioning of Ventilation Systems for Dwellings - Achieving Compliance with Part F 2019</i>
Module 8:	Ventilation Commissioning Activities <i>Completion of practical activities which include installation and commissioning of ventilation systems.</i>
Module 9:	Communication and User Information <i>Understand the required knowledge for Communication and best Practice User Information</i>

DURATION:

The course content is delivered over 2 days and the assessment will take place on day 3.

CERTIFICATION:

This course is City and Guilds Assured and CIF approved. Upon successful completion of assessment following this course, the learner will receive the following award: Nearly Zero Energy Building (NZEB) Ventilation (City and Guilds Assured). Participants who successfully complete the assessment of this course can use this as proof of competency in ventilation systems', installation, balancing and commissioning, as required by TGD Part F 2019.

ASSESSMENT:

The assessment of this course is made up of two parts as outlined below:

Theory Assessment – 1.5 hour exam. Learners must achieve 70% to pass this element of assessment.

Practical Demonstration – 30 minute practical demonstration of commissioning. This is a pass/fail assessment.

Assessment will take place on a third day and learners must pass both elements of the assessment to be awarded the certification outlined above.

NZEB TRAINING CENTRE:

Our Training facility in Enniscorthy is the first trade specific NZEB Training Centre for Contractors in Europe. It is located at Blackstoops, Old Dublin Road, Enniscorthy, Co. Wexford Y21 6TV9.

CURRICULUM:

The Curriculum is based on contributions from leading government and industry partners – i.e. CIF, Housing, Planning and Local Government, SEAI, Union Representatives, Local Authorities and Third Level Institutions.

TUTORS:

Training is delivered by experienced and qualified Tutors.

SKILLS TO ADVANCE FUNDING:

You may qualify for funding under the Skills to Advance Initiative (STA). STA is a SOLAS Initiative in partnership with WWETB and supported by Government. To check if you are eligible for funding please contact nzeb@wwetb.ie or 051 301500. Only those with an Irish PPS Number are eligible to apply for funding. If you are not eligible for funding or you do not have an Irish PPS number, the course fee is €300.

To register or find out more:

 **Waterford Wexford Training Services**

 **nzeb@wwetb.ie**

 **www.wwetbtraining.ie/nzeb**

 **051 301500**